

**APPENDIX A**  
**2814-G Pending Claims**

1. An isolated DNA encoding a hek-L protein capable of binding hek, wherein said DNA comprises a nucleotide sequence that is at least 80% identical to a sequence selected from the group consisting of nucleotides 83-796, 83-745, 140-796, and 140-745 of SEQ ID NO:1.

3. An isolated DNA encoding a hek-L protein capable of binding hek, wherein said DNA comprises a nucleotide sequence that is at least 80% identical to a sequence selected from the group consisting of nucleotides 28-630, 28-573, 94-630, and 94-573 of SEQ ID NO:3.

5. An isolated DNA encoding a human hek-L protein capable of binding hek, wherein said hek-L comprises an amino acid sequence that is at least 80% identical to a sequence selected from the group consisting of amino acids 1-202 and 1-219 of SEQ ID NO:2 and amino acids 1-160 and 1-179 of SEQ ID NO:4.

7. An isolated DNA encoding a fusion protein comprising a hek-L polypeptide that binds hek, and an Fc polypeptide, wherein said hek-L comprises an amino acid sequence that is at least 80% identical to a sequence selected from the group consisting of amino acids 1-202 of SEQ ID NO:2 and amino acids 1-160 of SEQ ID NO:4.

8. An expression vector comprising a DNA according to claim 1.

9. An expression vector comprising a DNA according to claim 3.

10. An expression vector comprising a DNA according to claim 5.

11. An expression vector comprising a DNA according to claim 7.

2025 RELEASE UNDER E.O. 14176

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12. A process for preparing a hek-L polypeptide, comprising culturing a host cell transformed with a vector according to claim 8 under conditions promoting expression of hek-L, and recovering the hek-L polypeptide from the culture.

13. A process for preparing a hek-L polypeptide, comprising culturing a host cell transformed with a vector according to claim 9 under conditions promoting expression of hek-L and recovering the hek-L polypeptide from the culture.

14. A process for preparing hek-L polypeptide, comprising culturing a host cell transformed with a vector according to claim 10 under conditions promoting expression of hek-L, and recovering the hek-L polypeptide from the culture.

15. A process for preparing a fusion protein, comprising culturing a host cell transformed with a vector according to claim 11 under conditions promoting expression of said fusion protein, and recovering said fusion protein from the culture.

28. A method for binding hek, comprising contacting a hek polypeptide with a hek ligand (hek-L) polypeptide, wherein said hek-L polypeptide is selected from the group consisting of:

- a) the hek-L protein of SEQ ID NO:2 in mature form;
- b) a fragment of the hek-L protein of SEQ ID NO:2;
- c) the hek-L protein of SEQ ID NO:4 in mature form; and
- d) a fragment of the hek-L protein of SEQ ID NO:4;

wherein said fragment binds hek.

29. A method according to claim 28, wherein said hek-L polypeptide is a purified soluble fragment of the hek-L protein of SEQ ID NO:2.

30. A method according to claim 28, wherein said hek-L polypeptide is a purified soluble fragment of the hek-L protein of SEQ ID NO:4.

31. A method according to claim 28, wherein said hek polypeptide, or said hek-L polypeptide, or both, is expressed on a cell.

32. A method according to claim 28, wherein said hek-L is in the form of an oligomer comprising at least two of said hek-L polypeptides.

33. A method according to claim 28, wherein said hek-L is attached to a diagnostic or therapeutic agent.

34. A method for binding elk, comprising contacting an elk polypeptide with a hek-L polypeptide, wherein said hek-L polypeptide is selected from the group consisting of:

- a) the hek-L protein of SEQ ID NO:2 in mature form;
  - b) a fragment of the hek-L protein of SEQ ID NO:2;
  - c) the hek-L protein of SEQ ID NO:4 in mature form; and
  - d) a fragment of the hek-L protein of SEQ ID NO:4;
- wherein said fragment binds hek.

35. A method according to claim 34, wherein said hek-L polypeptide is a purified soluble fragment of the hek-L protein of SEQ ID NO:2.

36. A method according to claim 34, wherein said hek-L polypeptide is a purified soluble fragment of the hek-L protein of SEQ ID NO:4.

37. A method according to claim 34, wherein said elk polypeptide, or said hek-L polypeptide, or both, is expressed on a cell.

38. A method according to claim 34, wherein said hek-L is in the form of an oligomer comprising at least two of said hek-L polypeptides.

39. A method according to claim 34, wherein said hek-L is attached to a diagnostic or therapeutic agent.